


PTO/SB/08A (08-03)

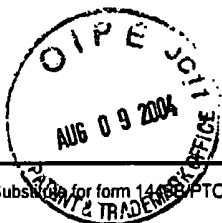
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	08/974,584		
		Filing Date	November 19, 1997		
		First Named Inventor	Cech, Thomas R.		
		Art Unit	1634		
		Examiner Name	Myers, Carla J.		
Sheet	1	of	2	Attorney Docket Number	015389-002950US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
CJ	A1	US-6,440,735 B1	08-27-2002	Gaeta	
	A2	US-6,444,650 B1	09-03-2003	Cech et al.	
	A3	US-6,517,834 B1	02-11-2003	Weinrich et al.	
	A4	US-6,608,188 B1	08-19-2003	Tsuchiya et al.	
	A5	US-6,627,619 B2	09-30-2003	Cech et al.	
	A6	US 2002-0164786 A1	11-07-2002	Cech et al.	
	A7	US 2002-0167471 A1	12-12-2002	Cech et al.	
	A8	US 2003-0009019 A1	01-09-2003	Cech et al.	
	A9	US 2003-0032075 A1	02-13-2003	Cech et al.	
	A10	US 2003-0044953 A1	03-06-2003	Cech et al.	
	A11	US 2003-0059787 A1	03-27-2003	Cech et al.	
	A12	US 2003-0086344 A1	05-22-2003	Cech et al.	
	A13	US 2003-0100093 A1	05-29-2003	Cech et al.	
	A14	U.S. Application No. 09/432,303		Cech et al.	
	A15	U.S. Application No. 09/721,477		Cech et al.	
	A16	U.S. Application No. 09/721,506		Cech et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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Information Disclosure Statement by Applicant (use as many sheets as necessary)		Complete if Known			
		Application Number	08/974,584		
		Filing Date	November 19, 1997		
		First Named Inventor	Cech, Thomas R.		
		Art Unit	1634		
		Examiner Name	Myers, Carla J.		
Sheet	2	of	2	Attorney Docket Number	015389-002950US

NON PATENT LITERATURE DOCUMENTS			
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C	C1	ADAMS, MARK et al. "Initial Assessment of Human Gene Diversity and Expression Patterns Based Upon 83 Million Nucleotides of cDNA Sequence" <i>The Genome Directory: Supplement to Nature</i> 28 September 1995, 1995, pp. 3-174, Vol. 377, Issue 6547S.	
	C2		

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STATEMENT BY APPLICANT**

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Sheet 1 of 5

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		Number	Kind Code ² (if known)			
CJ	A1	US-5,597,697		01-28-1997	Diamond	
	A2	US-5,747,317		05-05-1998	Cao	
	A3	US-5,770,422		06-23-1998	Collins	
	A4	US-5,917,025		06-29-1999	Collins	
	A5	US-5,919,656		07-08-1999	Harrington, et al.	
	A6	US-6,166,178		12-26-2000	Cech et al.	
	A7	US-6,337,200 B1		01-08-2002	Morin	
	A8	US-6,475,789 B1		11-05-2002	Cech et al.	
	A9	US-6,610,839 B1		08-26-2003	Cech et al.	
	A10	US-6,617,110 B1		09-09-2003	Cech et al.	

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	B18	PCT	WO 00/46355	A2	08-10-2000			<input type="checkbox"/>

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PTO/SB/08B (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 5

Complete If Known

Application Number	08/974,584
Filing Date	November 19, 1997
First Named Inventor	
Art Unit	1634
Examiner Name	Myers, Carla J.
Attorney Docket Number	015389-002950US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
C	C1	ADAMSON, D. et al. "Significant Telomere Shortening in Childhood Leukemia", <i>Cancer Genet. Cytogenet.</i> , 1992; pp. 204-206, Vol. 61	
	C2	AUTEXIER, CHANTAL, et al., "Telomerase and cancer: revisiting the telomere hypothesis; Trends in Biochemical Sciences, 1996, pp. 387-391, Vol. 10, No. 21.	
	C3	AVILION, A., "Characterization and expression of human telomerase," <i>Dissertation Abstracts International</i> , 1996, pp. 5930-B, Vol. 56, No. 11	
	C4	BARINGA, MARCIA, "The Telomerase Picture Fills In", <i>Science</i> , April 25, 1997; pp. 528-529, Vol. 276	
	C5	CHIU, et al. "Replicative senescence and cell immortality: the role of telomeres and telomerase (44075)", <i>Proc. Soc. Exp. Bio. Med.</i> , 1997, pp. 99-106, Vol. 214.	
	C6	CHONG, L. et al. "A Human Telomeric Protein", <i>Science</i> , Dec. 1995, pp. 1663-1667, Vol. 270.	
	C7	COLLINS, KATHLEEN, "Structure and function of telomerase", <i>Current Opinion in Cell Biology</i> , 1996, pp. 374-380, Vol. 8	
	C8	COUNTER, C. et al. "Telomerase activity in human ovarian carcinoma"; <i>Proc. Natl. Acad. Sci USA</i> ; April 1994; Vol. 91; pp. 2900-2904	
	C9	COUNTER, C. et al. "Telomerase Activity in Normal Leukocytes and in Hematologic Malignancies" <i>Blood</i> ; May 1, 1995; pp. 2315-2320, Vol. 85, No. 9.	
	C10	COUNTER, C. et al. "Telomere shortening associated with chromosome instability is arrested in immortal cells which express telomerase activity", <i>The EMBO Journal</i> ; 1992, pp. 1921-1929, Vol. 11; No. 5, Oxford University Press.	
	C11	DE LANGE, T. et al. "Structure and Variability of Human Chromosome Ends"; <i>Molecular and Cellular Biology</i> ; February 1990; pp. 518-527, Vol. 10, No. 2.	
	C12	FENG et al., "The RNA Component of Human Telomerase," <i>Science</i> , 1995, pp. 1236-1241, Vol. 269	
	C13	FLAVELL, R. & MATHIAS, R. "Prospects for transforming monocot crop plants", <i>Nature</i> , 12 Jan. 1984, pp. 108-109, Vol. 307.	
	C14	FRESHNEY, <i>Culture of Animal Cells. A Manual Basic Technique</i> , p. 4, Alan R. Liss, Inc. New York, 1983.	
	C15	Genbank Accession No. A46242; September 21, 1993	
	C16	Genbank Accession No. AA299878; April 18, 1997	

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Sheet 3 of 5

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Art Unit	1634
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NON PATENT LITERATURE DOCUMENTS			
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Che	C17	Genbank Accession No. AA311750; April 19, 1997	
	C18	Genbank Accession No. L38903; January 30, 1995	
	C19	Genbank Accession No. Q06163; November 01, 1995	
	C20	Genbank Accession No. S39696; October 07, 1994	
	C21	Genbank Accession No. S53396; May 5, 1995	
	C22	GenBank Accession No. W70315; June 19, 1996	
	C23	GLASER, P. et al. "Bacillus subtilis genome project: cloning and sequencing of the 97 kb region from 325" to 333" Molecular Microbiology, 1993, pp. 371-384, Vol. 10, No. 2.	
	C24	GOODMAN, R. et al. "Gene Transfer in Crop Improvement", Science, 3 April 1997, pp. 48-54, Vol. 236.	
	C25	GREIDER, C. "Telomeres, Telomerase and Senescence"; BioEssays; 1990; pp. 363-369, Vol. 12, No. 8.	
	C26	HARLEY, C. "Telomere loss: Mitotic clock or genetic time bomb?" Mutation Research; 1991; pp. 271-282, Vol. 256, Elsevier Science Publishers.	
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	C29	HASTIE, N. et al. "Telomere reduction in human colorectal carcinoma and with ageing", Nature, 30 August 1990, pp. 866-868, Vol. 346.	
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	C31	HENDERSON, C. Cancer genetics gene regulates telomerase resulting in death of cancer cells; Gene Therapy Weekly, 11 September 1995.	
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	C33	HOLTZMANN, K. et al. "Telomeric Associations and Loss of Telomeric DNA Repeats in Renal Tumors", Genes, Chromosomes & Cancer, 1993, pp. 178-181, Vol. 6.	

Examiner Signature		Date Considered	8/24/03
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Sheet 4 of 5

Complete If Known

Application Number	08/974,584
Filing Date	November 19, 1997
First Named Inventor	
Art Unit	1634
Examiner Name	Myers, Carla J.
Attorney Docket Number	015389-002950US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CM	C34	JÄHNE, A. et al. "Genetic Engineering of Cereal Crop Plants: A Review", Euphytica, 1995, pp. 35-44, Vol. 85, Kluwer Academic Publishers, Netherlands.	
	C35	JOHNSON, P. et al., "Expression of Wild-Type p53 Is Not Compatible with Continued Growth of p53- Negative Tumor Cells", <i>Molecular and Cellular Biology</i> , Jan. 1991, p. 1-11, Vol. 11, No. 1.	
	C36	JOLLIFFE, L.K. "Humanized antibodies: enhancing therapeutic utility through antibody engineering", <i>Int. Rev. Immunol.</i> , 1993, pp. 241-250, Vol. 10	
	C37	KIM, N. et al. "Specific Association of Human Telomerase Activity with Immortal Cells and Cancer", <i>Science</i> , 23 December 1994, pp. 2011-2014, Vol. 266.	
	C38	KLINGELHUTZ, A. et al. "Restoration of Telomeres in Human Papillomavirus- Immortalized Human Anogenital Epithelial Cells"; <i>Molecular and Cellular Biology</i> ; Feb. 1994, pp. 961-969, Vol. 14, No. 2.	
	C39	LEWIS, A. & CROWE, J.S. "Generation of humanized monoclonal antibodies by 'best fit' framework selection and recombinant polymerase chain reaction", <i>Year Immunol.</i> , 1993, pp. 110-118, Vol. 7	
	C40	Linking telomerase and tumors; <i>Genesis Report- Dx</i> ; 1995; Vol. 4, No. 6; Publisher Genesis Group Associates.	
	C41	LUNDBLAD, V. & BLACKBURN, E., Letter to the Editor entitled, "RNA-Dependent Polymerase Motifs in EST1: Tentative Identification of a Protein Component of an Essential Yeast Telomerase", <i>Cell</i> , 23 Feb. 1990, pp. 529-530, Vol. 60.	
	C42	LUSTIG, ARTHUR J., "The identification of telomerase subunits: catalysing telomere research", <i>Trends in Cell Biology</i> ; August 1997, pp. 299-302, Vol. 7.	
	C43	MALICKI, J. et al. "A human <i>HOX4B</i> regulatory element provides head-specific expression in <i>Drosophila</i> embryos", <i>Nature</i> , 23 July 1992, pp. 345-357, Vol. 358.	
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	C46	PASZKOWSKI, JERZY et al. "Direct gene transfer to plants," <i>The EMBO Journal</i> , 1984, pp. 2717- 2722, Vol. 3, No. 12.	
	C47	POTRYKUS, I. et al. "Direct gene transfer to cells of a graminaceous monocot", <i>Mol. Gen. Genet.</i> , 1985, pp. 183-188, Vol. 199.	
	C48	RAYMOND, E., et al.; Agents that target telomerase and telomeres; <i>Curr. Opin. Biotechnol.</i> ; 1996; 7:583-91	

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	C49	RHYU, M.S. "Telomeres, telomerase, and immortality"; <i>J. Natl. Cancer Inst.</i> ; 21 June 1995; pp. 884-894, Vol. 87, No. 12.	
	C50	SCHENA et al. "Parallel human genome analysis: Microarray-based expression monitoring of 1000 genes", <i>Proc. Natl. Acad. Sci.</i> , Oct. 1996, pp. 10614-10619, Vol. 93, USA.	
	C51	SCHWARTZ, H. et al. "Telomere Reduction in Giant Cell Tumor of Bone and with Aging"; <i>Cancer Genet Cytogenet</i> ; 1993; pp. 132-138, Vol. 71, Elsevier Science Publishing Co., Inc., New York, U.S.A.	
	C52	SINGER, M. "Unusual Reverse Transcriptases", <i>Journal of Biological Chemistry</i> ; 1995, pp. 24623-23626, Vol. 270, No. 42	
	C53	SMITH, J. & YEH, G. "Telomere Reduction in Endometrial Adenocarcinoma"; <i>Am. J. Obstet. Gynecol.</i> ; Dec. 1992; pp. 1883-1887, Vol. 167, No. 6	
	C54	TAIT, J. et al. "Structure and Polymorphisms of the Human Annexin III (ANX3) Gene", <i>Genomics</i> , 1993, pp. 79-86, Vol. 18, No. 1	
	C55	WINTER, G. & HARRIS, W. "Humanized Antibodies", <i>Trends Pharmacol. Sci.</i> , May 1993, pp. 139-143, Vol. 14.	
	C56	WIRTH, URS et al; "Immediate-Early RNA 2.9 and Early RNA 2.6 of Bovine Herpesvirus 1 Are 3' Coterminal and Encode of Putative Zinc Finger Transactivator Protein"; <i>Journal of Virology</i> ; May 1992; pp. 2763-2772, Vol. 66, No. 5.	
	C57	ZAUG, ARTHUR et al., "Method for determining RNA 3' ends and application to human telomerase RNA", <i>Nucleic Acids Research</i> , 1996, pp. 532-533, Vol. 24, No. 3.	

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